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NPIC/TSSG-025-70

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT : Request for Approval of a Change-in-Scope to Contract [redacted] from [redacted] FY-1971 R&D Funds

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1. This memorandum requests approval for the commitment of R&D funds for FY-1971. The specific request is stated in Paragraph 7.

2. NPIC currently has a fixed-price contract with [redacted] to fabricate a high precision stereocomparator (HPSC). The HPSC will provide IEG/PHD with a capability of obtaining submicrometer (micron) accuracy in measuring conjugate imagery of different scales and varying perspective distortions. To obtain this high degree of accuracy, this instrument must be used in a clean room, and air used to cool various parts of the instrument must be processed (temperature and humidity wise) by an environmental control unit. TSSG/SSD has had a clean room constructed in NPIC to house the HPSC and has provided a specially configured environmental control unit to process the air. [redacted] is in the final stages of fabricating the HPSC at the [redacted] plant. [redacted] has a clean room to house the HPSC but does not have a suitable environmental control unit or the facilities to accommodate the unit fabricated by TSSG/SSD. The HPSC cannot be operated safely or accurately without using air processed by an environmental control unit.

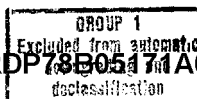
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3. In order to facilitate the checkout of the forty subsystems of the HPSC and to allow NPIC/RED and ESD personnel to perform preacceptance tests at the [redacted] plant, it is proposed that a change-in-scope be made to Contract [redacted] to allow [redacted] to provide the necessary facilities to accommodate the TSSG/SSD environmental control unit. The work

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Contract [REDACTED]

[REDACTED] from FY-1971 R&D Funds

to be accomplished consists of the following:

- a. the purchase and installation of a cooling tower,
- b. the installation of a stable base for the unit,
- c. providing the proper conduit and power connections, and
- d. providing the proper connections from the environmental control unit to the HPSC.

There is no technical risk involved in the proposed change-in-scope.

4. The environmental control unit has been supplied by TSSG/SSD and is at the [REDACTED] is the only contractor considered for this work since it entails a modification to their own plant facilities.

5. There is no anticipated follow on to this work since, by its nature, this is a one-time operation.

6. [REDACTED] is the project monitor for the original contract and will handle the change-in-scope. The security classification will be the same as the original contract.

7. It is requested that approval be granted for a change-in-scope to Contract [REDACTED] in an amount not to exceed [REDACTED] and to be charged against Category VI FY-71 Funds.

[REDACTED]
Chief, Technical Services & Support Group, NPIC

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[REDACTED] from FY-1971 R&D Funds

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Attachments:

1. Proposal
2. Form 2420

APPROVED:

ARTHUR C. LUNDAHL

Date

Director

National Photographic Interpretation Center

Distribution:

Original - NPIC/TSSG/SC&PS (After approval)

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NPIC/TSSG/RED/SDB [REDACTED] (25 June 70)

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